In the Specification:

Please replace the paragraph bridging Pages 6 and 7, beginning at line 24, with the following rewritten paragraph:

Attention is initially directed to Figure 1, which diagrammatically illustrates the interfacing of user terminal equipment 30, such as an integrated access device installed at [a] customer premises, with multiple network communication circuits 40 serving various end user telecommunication devices 50. For purposes of providing a non-limiting example, the user terminal equipment may comprise an Atlas 550 integrated access device (IAD), manufactured by Adtran Inc., Huntsville, Alabama. On the network side, the communication circuits 40 may include a plurality of T1/PRI circuits of a competitive local exchange carrier (CLEC) network 41 and a plurality of foreign exchange (FX) circuits of an incumbent local exchange carrier (ILEC) network 42. On the user side, the user telecommunication devices 50 may include a DSX-1 link terminating a private branch exchange (PBX) 51, a plurality of FXS and FXO circuits serving respective telephone devices 52, data links serving a local area network 53 and an associated router 54, and BRI/PRI links terminating video conference equipment 56.

Please replace the paragraph beginning on Page 9, at line 13, with the following rewritten paragraph:

If the answer to the query state 202 "Is DOO set?" is NO, indicating that the this particular interface has not been configured for DOO routing (namely, there is no number written into the DOO configuration field), it is inferred that normal call routing is to be employed using dialed digits supplied from the sourcing device (as by way of digital signal processor (DSP) based dual tone multi-frequency (DTMF) or multi-frequency (MF) signaling, for example). In this case, the routine transitions to state 203, and calls up a DTMF/MF detection subroutine. It also maps the received time division multiplexed (TDM) stream (voice path from the phone/DS0) to the digit detection subroutine. In addition, the transmit TDM stream is mapped another DSP DS0 channel that provides dial tone, indicating to the user to begin a dialing sequence.